

8 June 1965

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INTERFEROMETER UNDER CONSTRUCTION
TYURATAM MISSILE TEST CENTER, USSR

1. [REDACTED] REVEALED AN AREA OF NEW UNIDENTIFIED CONSTRUCTION ACTIVITY LOCATED 1.5 NM SW OF THE PROPELLANT PRODUCTION PLANT AT THE TTMC. THIS ACTIVITY WAS INITIALLY OBSERVABLE ON [REDACTED] [REDACTED] BUT WAS NOT PRESENT ON [REDACTED] THE ACTIVITY WAS PARTIALLY FENCED AND CONSISTED OF A GEOMETRIC CONFIGURATION OF DITCHING AND EXCAVATIONS.
2. THIS MISSION REVEALS THAT AN "L"-SHAPED INTERFEROMETER IS UNDER CONSTRUCTION AT THE PREVIOUSLY REPORTED AREA OF UNIDENTIFIED CONSTRUCTION ACTIVITY. THE ANTENNA HAS 2 BASE LEGS, EACH APPROXIMATELY 2,000 FT LONG, INTERSECTING AT A RIGHT ANGLE. EACH LEG HAS AN ANTENNA PEDESTAL AT THE OUTER END AND A COURSE, IN ADDITION TO A FINE ANTENNA MOUNT, NEAR THE POINT OF INTERSECTION GIVING A TOTAL OF 3 ANTENNA POSITIONS ON EACH LEG. TWO OTHER ANTENNA MOUNTS ARE LOCATED OFF-CENTER AT THE INTERSECTION POINT, BUT BEING ALONG THE HYPOTENUSE, THEY SATISFY THE GEOMETRY OF THE SYSTEM.

THE CONTROL AREA AND A TEMPORARY CONSTRUCTION AREA ARE LOCATED APPROXIMATELY 950 FT OFF-CENTER OF THE BASE LINE INTERSECTION.

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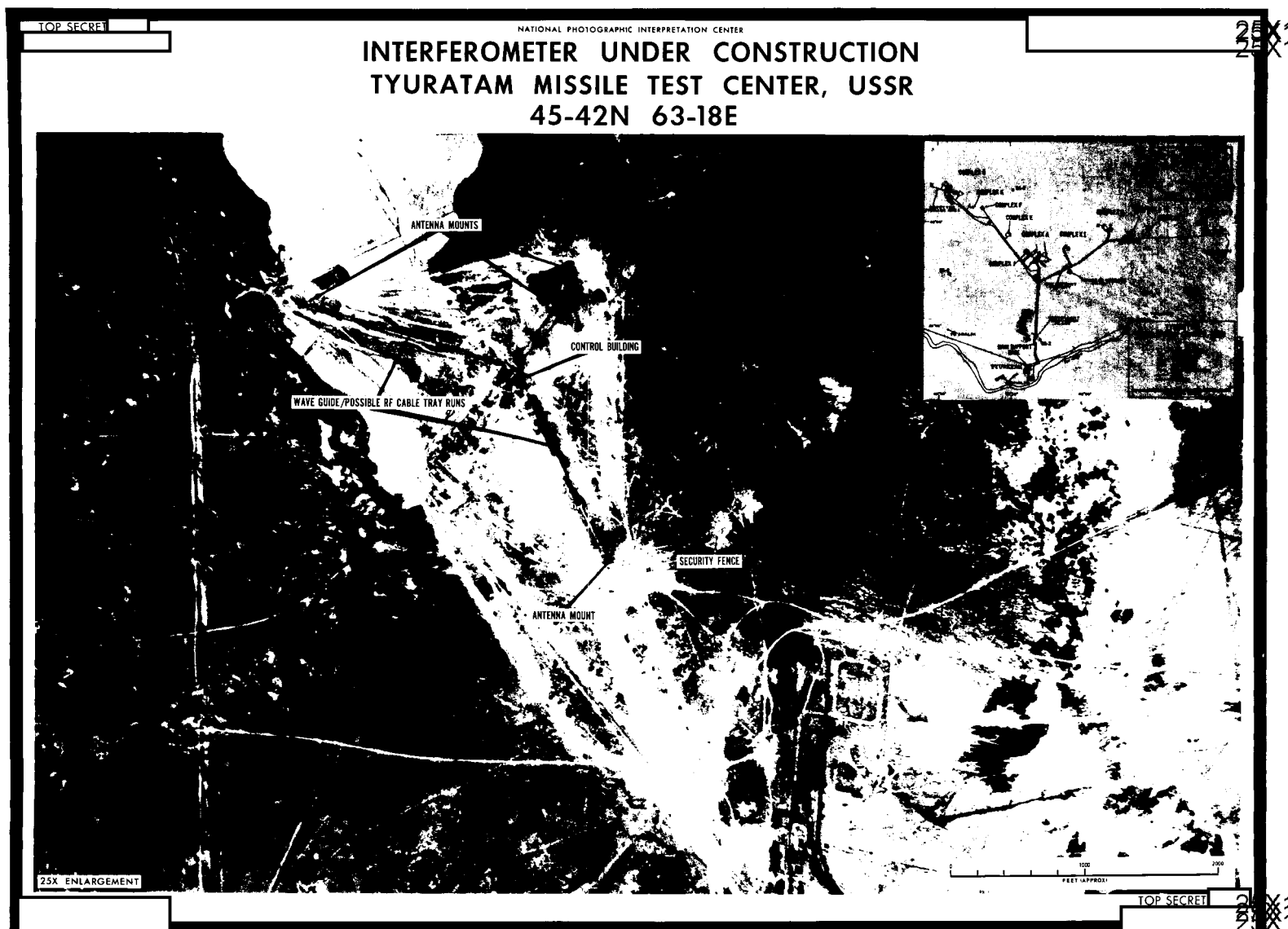
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WAVEGUIDE RUNS, OR POSSIBLY RF CABLE TRAYS, EXTEND FROM THE CONTROL AREA TO THE BASE LEG TERMINALS AND POINT OF INTERSECTION. NO ANTENNAS HAVE YET BEEN PLACED ON THE ANTENNA MOUNTS.

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